

**TABLE 10-5B(1)**  
**GROUP R OCCUPANCY: DEFAULT U-FACTORS FOR CONCRETE AND MASONRY WALLS**

**TABLE 10-5B(1b): Group R Occupancy**  
**12" Concrete Masonry**

| WALL DESCRIPTION   | CORE TREATMENT                     |                      |      |             |
|--|------------------------------------|----------------------|------|-------------|
|  | Partial Grout with UngROUTED Cores |                      |      | Solid Grout |
|  | Empty                              | Loose-fill insulated |      |             |
| Perlite  |                                    | Vermiculite          |      |             |
| Exposed Block, Both Sides  | 0.35                               | 0.17                 | 0.18 | 0.33        |
| R-5 Interior Insulation, Wood Furring                            | 0.14                               | 0.10                 | 0.10 | 0.13        |
| R-6 Interior Insulation, Wood Furring                            | 0.13                               | 0.09                 | 0.10 | 0.13        |
| R-10.5 Interior Insulation, Wood Furring                         | 0.11                               | 0.08                 | 0.08 | 0.10        |
| R-8 Interior Insulation, Metal Clips                             | 0.10                               | 0.08                 | 0.08 | 0.09        |
| R-6 Exterior Insulation  | 0.11                               | 0.09                 | 0.09 | 0.11        |
| R-10 Exterior Insulation   | 0.08                               | 0.06                 | 0.06 | 0.08        |
| R-9.5 Rigid Polystyrene Integral Insulation,<br>Two Webbed Block | 0.11                               | 0.08                 | 0.09 | 0.12        |

**Notes for Default Table 10-5B(1)**

1. Grouted cores at 40" x 48" on center vertically and horizontally in partial grouted walls.
2. Interior insulation values include 1/2" gypsum board on the inner surface.
3. Furring and stud spacing is 16" on center. Insulation is assumed to fill furring space and is not compressed.
4. Intermediate values may be interpolated using this table. Values not contained in this table may be computed using the procedures listed in Standard RS-1.